STATE OF CALIFORNIA UNITED STATES GOODWIN J. KNIGHT, GOVERNOR RAVENDALE QUADRANGLE DEPARTMENT OF THE INTERIOR FRANK B. DURKEE, DIRECTOR OF PUBLIC WORKS CALIFORNIA-LASSEN CO. GEOLOGICAL SURVEY A. D. EDMONSTON, STATE ENGINEER 15 MINUTE SERIES (TOPOGRAPHIC) 10 T. 37 N E-falling berk escarpi Van Loan Horse Camp Scarys in the Share SE Tracing 1 40 Mo-Pliocate volcarie cone bork escarpment fault poorly defined and lack 5543 geomorphic evidence of recent back ridges and drainages 27 rafild 25 (erosional) Dorsey Butte no geomorphic evidence of recent faultin NE-facing book book evidence of recent doubling FEET Whree Peaks cd(3), pa 5868 00(?) dro- Arainage bork escarement R crude off setor H in field. No geomorph the deal noge evidence of recent taulting. bork escarpment no geomorphic evidence of record faulting into bork Such as id scarp, or t 5302 15 18 shoreline not L 0 FLAT 22 20 22 21 Numerous t's in bedrock Bim this \$ 05432 5432 30 28 29 28 27 4 31 34 36 35 32 31 33 33 34 N E MAP EXPLANATION Faults mapped by CDWR (1963), dashed where approximately located, dotted where concealed; U denotes upthrown side, D denotes downthrown side. **INDEX TO FIELD OBSERVATIONS** Faults mapped by Gay (unpublished field map), dashed where approximately located, A Scarp in bedrock: h = 3.6 meters, $\stackrel{>}{\triangleleft}$ = 12°, c = rounded. Faults mapped by Weick (1990), dashed where approximate, dotted where buried, Scarp probably fault, but may have been modified by wave 10 querried where uncertain, bell on downthrown side. Recently active faults mapped by Bryant (this report), based on air photo interpretation and limited field mapping (indicated by f/c and date). Solid line indicates well-defined feature, dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty; hachures indicate extent and direction B No faulting observed along stream-cut exposure of lacustrine deposits. Deposits consist of horizontal beds of fine silty sand with some cross-bedding. Lacustrine deposits overlain by a 30 scarp faces. cm thick colluvial deposit consisting of coarse sand and gravel 2 (angular sandstone clasts to 12 mm in diameter) Soil Locality referred to in text. development on colluvial deposit consists of 5 cm thick A Fault is well-defined and/or was verified as exhibiting geomorphic evidence of latest Pleistocene to Holocene displacement by Bryant (this report). horizon and 33 cm thick, weakly developed Bt horizon. Bt horizon characterized by fine sub-angular blocky structure, thin continuous clay films on ped surfaces and thin patchy clay films T. 34 I Fault is not well-defined and/or was not verified as exhibiting geomorphic evidence of NV latest Pleistocene to Holocene displacement by Bryant (this report). on sand grains, color 10YR 5/2 (d), 7.5YR 4/4(m). Base of colluvial deposit has Stage I CaCO3 development. Key to faulted and unfaulted deposits -deposit offset L - late Pleistocene H - Holocene -deposit not offset b - bedrock Scarp Profile Data measured by Bryant (this report) h-scarp height c-scarp crest width Geomorphic features indicative of fault recency and/or location, based on air photo interpretation and field mapping by Bryant (this report) dov - drainage offset vertically or exhibits "wineglass" b - bench bd - beheaded drainage configuration Id - linear drainage bis - break in slope cd - closed depression Ir - linear ridge pa - ponded alluvium dd - deflected drainage rl-right lateral dno - drainage not offset t - tonal lineament tr - trough Figure 2e (to FER-218). Traces of the Likely fault zone in the Canby - Madeline Plains study area, based on available mapping of others and air photo interpretation by T. 33 N Bryant (this report). 40°45′ 120°15′ R. 13 E. 2 420 000 FEE GICAL SURVEY. WASHINGTON. D. C.-1956-NS | R. 15 E. 120 30 M R-1153 SCALE 1:62500 Mapped, edited, and published by the Geological Survey Control by USGS and USC&GS ROAD CLASSIFICATION Topography from aerial photographs by multiplex methods and by plane-table surveys 1954. Aerial photographs taken 1951 Light-duty.... Unimproved dirt ===== Polyconic projection. 1927 North American datum 10,000-foot grid based on California coordinate system, zone 1 U. S. Route State Route 1 .5 0 HHHHHH Dashed land lines indicate approximate locations CONTOUR INTERVAL 40 FEET
DASHED LINES REPRESENT HALF INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL RAVENDALE, CALIF. APPROXIMATE MEAN DECLINATION, 1954 N4045-W12015/15 QUADRANGLE LOCATION THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST